



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

:

Seed et al.:

: Group Art Unit: 1644

Serial No.: 09/836,544

: Examiner, Marianne NMN Dibrino

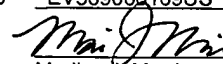
Filed: April 17, 2001

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For: RAPID IMMUNOSELECTION
CLONING METHOD

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I hereby certify that this correspondence is being
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Alexandria, VA 22313-1450 EV569066169US

On: January 12, 2005


Marilyn J. Morris

RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT
APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID
SEQUENCE DISCLOSURES and AMENDMENT

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notice to Comply mailed November 12, 2004, Applicants respectfully provide the following response, which is accompanied by a Petition for Extension of Time with the requisite fee, a copy of the Notice, the replacement Sequence Listing in paper and machine readable forms and a Statement under 37 C.F.R.1.821-825.

The amendments to the Specification begin on page 2 of this response.

Remarks begin on page 3 of this response.

At page 65, please replace the first full paragraph as follows:

Based on the homology with immunoglobulin V-regions, it is predicted that CD7 contains a disulfide bond linking Cys 23 and Cys 89. A second disulfide bond, linking Cys 10 and Cys 117, has been proposed, based on the structural similarity between CD7 and Thy-1. The extracellular domains of both Thy-1 and CD7 have 4 cysteine residues, in roughly homologous positions. The 4 cysteine residues of Thy-1 are joined in two internal disulfide bridges between Cys 9-111 and Cys 19-85 (Williams *et al.*, *Science* 216:696-703 (1982)). In Thy-1, Cys 111 forms an amide bond with the ethanolamine moiety of a substituted phosphatidylinositol, and is thus the last residue of the mature molecule (Tse *et al.*, *Science* 230:1003-1008 (1985)). In CD7, Cys 117 is followed by four repeats of a sequence whose consensus is Xaa-Pro-Pro-Xaa-Ala-Ser-Ala-Leu-Pro (SEQ IDNO:38), and which, it is proposed, plays the role of a stalk projecting the V-like domain away from the surface of the cell.